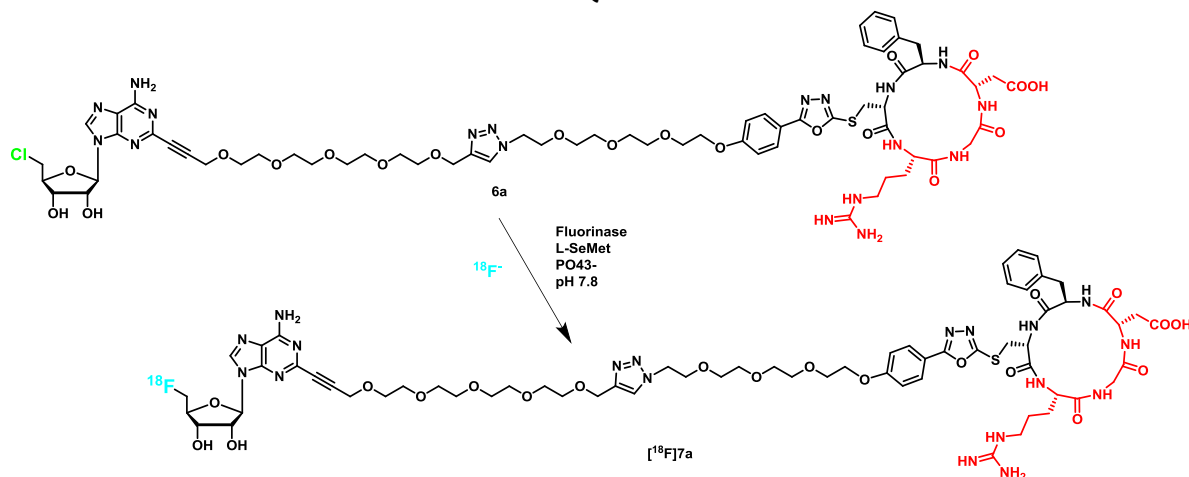


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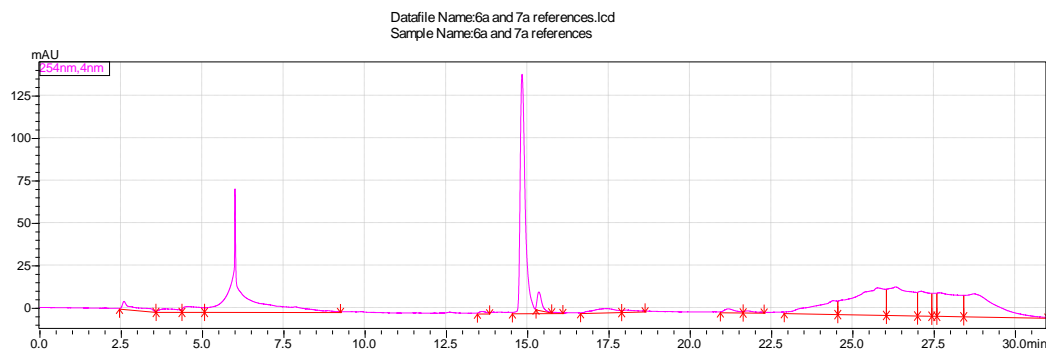


Compound	Amount	
Fluorinase Freeze dried enzyme	5 mg	20 mg/mL final conc
L-Selenomethionine 2mM water	10 μL	
Precursor 6a 3.2 mM in DMSO	12 μL	
^{18}F in ^{18}O water solution	50 μL	411 MBq @13:00
Water	178 μL	

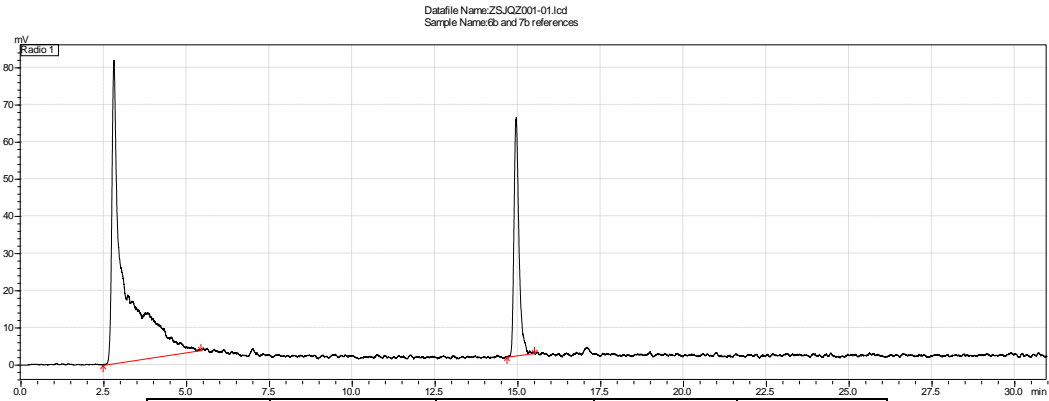
^{18}F solution approx. 5 GBq in 0.8 mL

- 13:04 start incubation 37°C
- 13:35 5 μL of reaction mixture (8 MBq) were diluted with 95 μL of water, boiled at 95°C for 5 min and spinned at 13500 rpm for 5 min. 20 μL were loaded in the HPLC syringe and injected in analytical HPLC, 1.6 MBq injected)
- 13:40 reaction mixture back to incubation 37°C
- 14:10 5 μL of reaction mixture (6.95 MBq) were diluted with 95 μL of water, boiled at 95°C for 5 min and spinned at 13500 rpm for 5 min. 20 μL were loaded in the HPLC syringe and injected in analytical HPLC, 1.3 MBq injected)
- 14:15 reaction mixture back to incubation 37°C
- 14:45 reaction mixture was boiled at 95°C for 6 min and spinned at 13500 rpm for 5 min.
Final activity 209 MBq @14:53
20 μL (0.7 MBq) were loaded in the HPLC syringe and injected in analytical HPLC

No clear precipitation of protein (gel like)

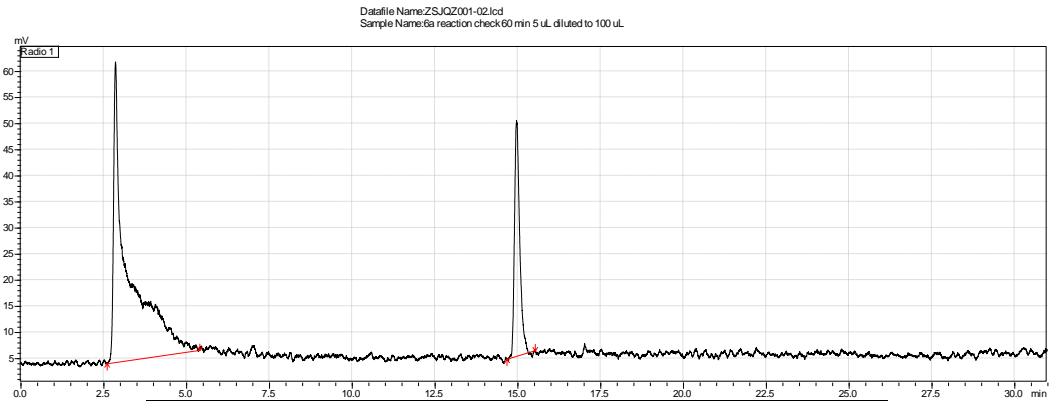


Check after 30 min



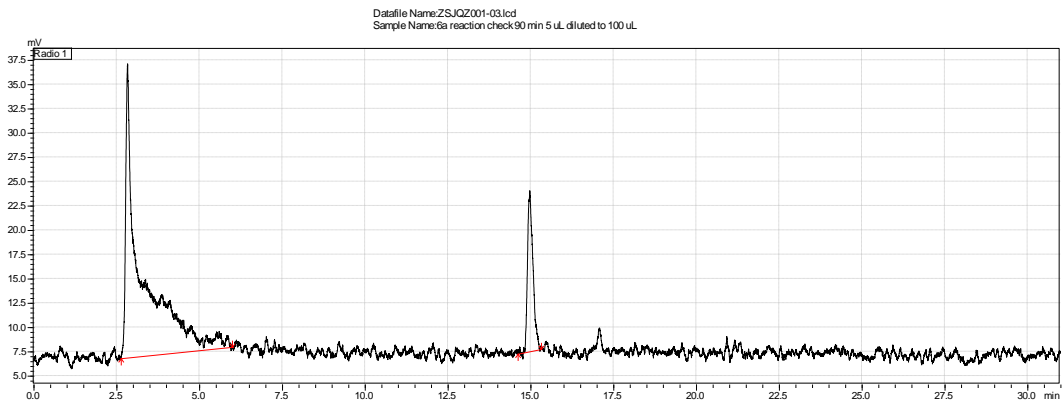
Peak#	Ret. Time	Area	Height	Area%
1	2.827	2083236	81333	75.741
2	14.969	667220	63625	24.259
Total		2750456	144959	100.000

Check after 60 min



Peak#	Ret. Time	Area	Height	Area%
1	2.873	1677763	57244	77.545
2	14.981	485836	44926	22.455
Total		2163599	102170	100.000

Final check 90 min



Peak#	Ret. Time	Area	Height	Area%
1	2.843	936131	30052	83.365
2	14.988	186804	16298	16.635
Total		1122934	46351	100.000

